

LIST OF CLAIMS

Claims 1-6 (cancelled)

Claim 7 (currently amended):

An enhanced ventricular assist device (EVAD) for use by physician(s) to take care of a patient with diseased heart, said EVAD comprising one or more linear flow blood pump(s), means for accepting input for instituting or modifying the ways of taking care of the said patient's said diseased heart, and means for sending electrical pulses to said patient's said diseased heart.

- Claim 8 An EVAD according to Claim 7, with means for controlling either or both the pulse rate and voltage of said electrical pulses sent by said means to the said patient's said diseased heart.
- Claim 9 An EVAD according to Claim 7 with means for measuring clinical and biological signals at organs on the said patient's body (LCBS) and means for monitoring said LCBS.
- Claim 10 An EVAD according to Claim 9, with means for monitoring said LCBS signals in synchronization with said electrical pulses.
- Claim 11 An EVAD according to Claim 10 with a set of prototype commands and automatic means for carrying out any one of the said set of prototype commands one at a time.
- Claim 12 An EVAD according to Claim 11 having a computer with physician modifiable computer software for automatically selecting a sequence from the said set of commands in response to the said LCBS and said automatic means for carrying out the said computer software selected sequence one at a time.
- Claim 13 An EVAD according to Claim 7, with control means for controlling the blood output pressure and volume of each of the said linear flow blood pump(s) independently.
- Claim 14 An EVAD according to Claim 13, in which said control means controls the blood output pressure and volume of each of the said linear flow blood pump(s) by varying the magnitude and frequency of the electrical motor currents of the said linear flow blood pumps(s).
- Claim 15 An EVAD according to Claim 7, in which magnetic induction means are used for transference of signal, information, and power across the skin without puncturing the skin.